

Tesla Vehicles and Charging Networks



North Carolina House Select Committee on Strategic Transportation Planning and
Long Term Funding Solutions
January 4, 2018





TESLA'S MISSION

To accelerate the world's transition to sustainable energy.

Tesla Products



Vehicles



Storage



Solar

SECRET MASTER PLAN



Model S

- Up to 335 miles of range
- 0-60 mph in as little as 2.5 seconds
- All-wheel drive
- 75 kWh and 100 kWh battery options
- Autopilot equipped
- Seats up to 7
- Highest safety rating in America



Model X



- Up to 295 miles of range
- 0-60 mph in as little as 2.9 seconds
- All-wheel drive
- 75 kWh and 100 kWh battery options
- Autopilot equipped
- Seats up to 7
- Safest SUV ever tested

Model 3

- Started production in July 2017
- 0-60 mph in as little as 5.1 seconds
- 220 – 310 miles of range
- Autopilot equipped
- Starts at 35,000



Roadster



- 0-60 mph in 1.9 seconds
- 0-100 mph in 4.2 seconds
- Up to 620 miles of range
- 200 kWh battery
- Production 2020

Semi

- 0-60 mph in 20 seconds loaded
- 65 mph up 5% grade
- 300 or 500 miles of range
- Centered driver position to maximize visibility & control
- Autopilot standard
- Production 2019



Tesla Charging



Supercharging

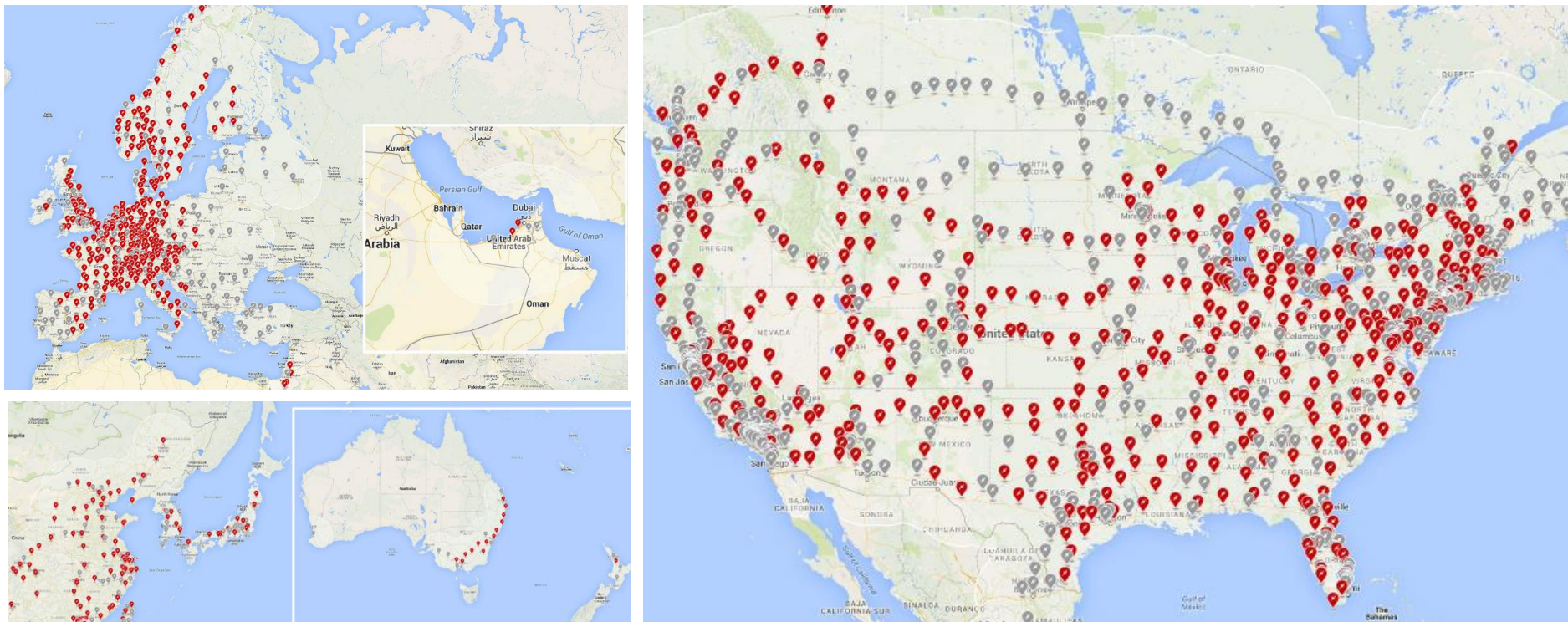


Destination Charging



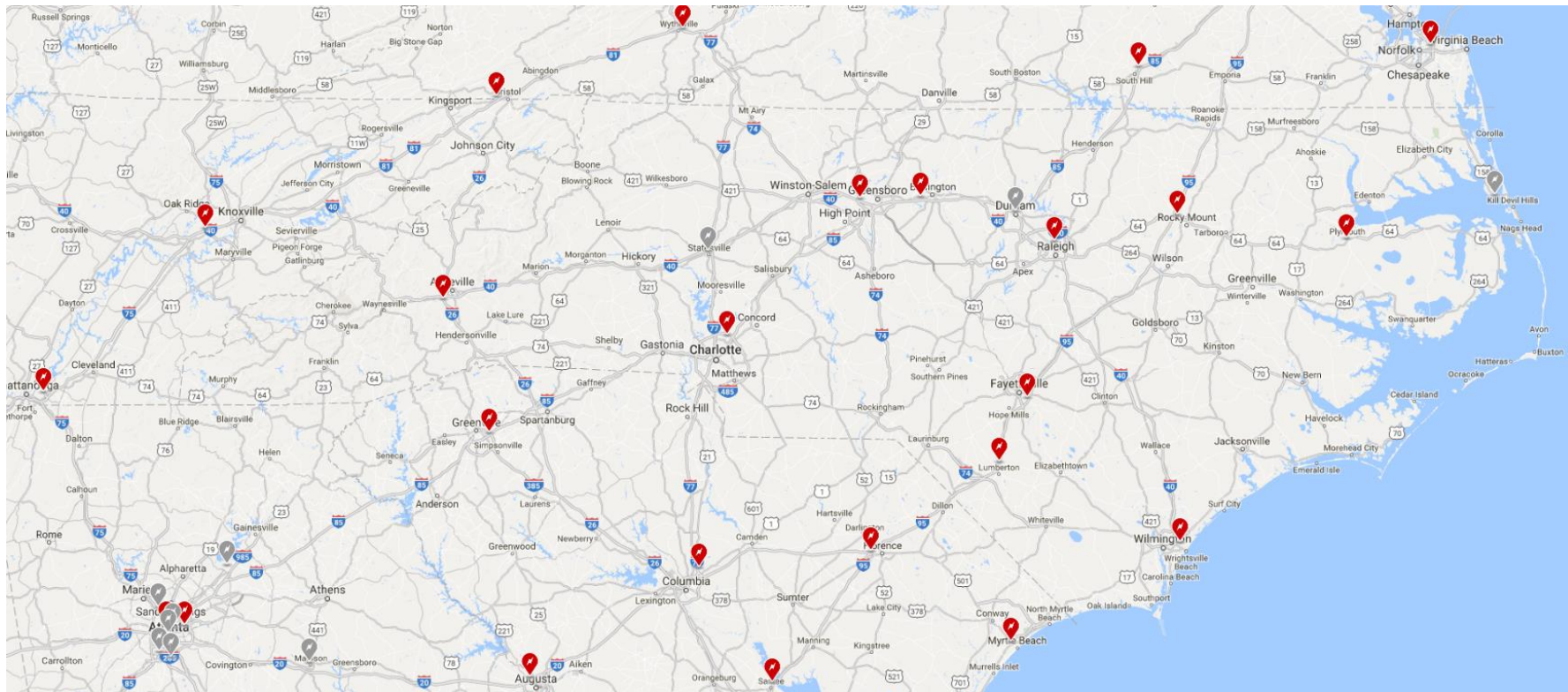
Where You Park

Supercharging



Approximately 8500 Superchargers as of Dec. 2017

Supercharging in North Carolina



Supercharging



Navigate

Enter a destination on your touchscreen and Trip Planner will automatically route you through convenient Superchargers along the way.



Recharge

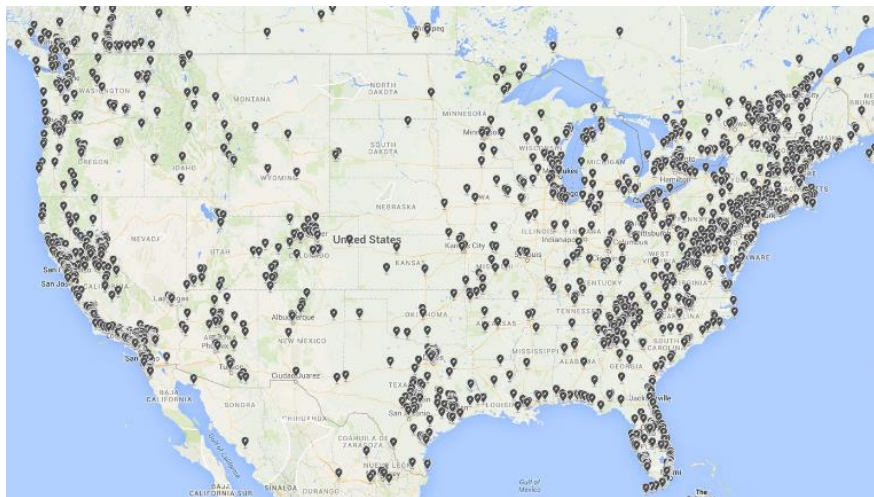
Plug in for about 30 minutes and grab a cup of coffee or a quick bite to eat while you charge.



Journey

Get notified from your Tesla app when your vehicle is ready to go.

Destination Charging



Charge for a few hours or overnight when you arrive at Destination locations – at hotels, restaurants and shopping centers.

Charge Where You Park



At Home



At Work



In the City

Charge Where you Park



Wall Connector Technical details			Recharge speed Miles of range per hour of charge		
Circuit breaker (amps)	Maximum output (amps)	Power at 240 volts (kilowatt)	Model 3 (mph)	Model S (mph)	Model X (mph)
100	80	19.2 kW	44	52	45
90	72	17.3 kW	44	52	45
80	64	15.4 kW	44	46	40
70	56	13.4 kW	44	40	35
60	48	11.5 kW	44	34	30
50	40	9.6 kW	37	29	25
45	36	8.6 kW	34	26	23
40	32	7.7 kW	30	23	20
35	28	6.7 kW	26	20	17
30	24	5.7 kW	22	17	14
25	20	4.8 kW	19	14	11
20	16	3.8 kW	15	11	8
15	12	2.8 kW	11	7	5

